1631

1600

#29

RAW SEQUENCE LISTING   DATE: 12/10/2002
PATENT APPLICATION: US/09/281,717A   TIME: 08:41:34

Input Set : A:\9811 Seq.txt
Output Set: N:\CRF4\12102002\I281717A.raw

P.6

```
  5 <110> APPLICANT: Baxter, John
  7         Darimont, Beatrice
  9         Feng, Weijun
 11         Fletterick, Robert
 13         Kushner, Peter
 15         West, Brian
 17         Wagner, Richard
 19         Yamamoto, Keith
 23 <120> TITLE OF INVENTION: METHODS AND COMPOUNDS FOR MODULATING NUCLEAR RECEPTOR
 24         COACTIVAOR BINDING
 28 <130> FILE REFERENCE: 9811-008-999
 32 <140> CURRENT APPLICATION NUMBER: 09/281,717A
 34 <141> CURRENT FILING DATE: 1999-03-30
 38 <150> PRIOR APPLICATION NUMBER: US 60/079,956
 40 <151> PRIOR FILING DATE: 1998-03-30
 44 <160> NUMBER OF SEQ ID NOS: 60
 48 <170> SOFTWARE: PatentIn version 3.0
 52 <210> SEQ ID NO: 1
 54 <211> LENGTH: 5
 56 <212> TYPE: PRT
 58 <213> ORGANISM: Homo sapiens
 62 <220> FEATURE:
 64 <221> NAME/KEY: Variant
 66 <222> LOCATION: (2)..(3)
 68 <223> OTHER INFORMATION: Xaa is any amino acid
 72 <400> SEQUENCE: 1
```

ENTERED

```
W--> 74 Leu Xaa Xaa Leu Leu
     75 1                5
     77 <210> SEQ ID NO: 2
     79 <211> LENGTH: 6
     81 <212> TYPE: PRT
     83 <213> ORGANISM: Homo sapiens
     87 <220> FEATURE:
     89 <221> NAME/KEY: Variant
     91 <222> LOCATION: (3)..(4)
     93 <223> OTHER INFORMATION: Xaa is any amino acid
     97 <400> SEQUENCE: 2
W--> 99 Ile Leu Xaa Xaa Leu Leu
    100 1                5
    102 <210> SEQ ID NO: 3
    104 <211> LENGTH: 5
    106 <212> TYPE: PRT
    108 <213> ORGANISM: Homo sapiens
```

RAW SEQUENCE LISTING   DATE: 12/10/2002
PATENT APPLICATION: US/09/281,717A   TIME: 08:41:34

Input Set : A:\9811 Seq.txt
Output Set: N:\CRF4\12102002\I281717A.raw

```
     112 <220> FEATURE:
     114 <221> NAME/KEY: Variant
     116 <222> LOCATION: (2)..(3)
     118 <223> OTHER INFORMATION: Xaa is any amino acid
     122 <400> SEQUENCE: 3
W--> 124 Phe Xaa Xaa Leu Trp
     125 1               5
     127 <210> SEQ ID NO: 4
     129 <211> LENGTH: 5
     131 <212> TYPE: PRT
     133 <213> ORGANISM: Homo sapiens
     137 <220> FEATURE:
     139 <221> NAME/KEY: Variant
     141 <222> LOCATION: (2)..(3)
     143 <223> OTHER INFORMATION: Xaa is any amino acid
     147 <400> SEQUENCE: 4
W--> 149 Phe Xaa Xaa Ala Leu
     150 1               5
     152 <210> SEQ ID NO: 5
     154 <211> LENGTH: 34
     156 <212> TYPE: PRT
     158 <213> ORGANISM: Homo sapiens
     162 <400> SEQUENCE: 5
     164 Ala Glu Gly His Ser Arg Leu His Asp Ser Lys Gly Gln Thr Lys Leu
     165 1               5                   10                  15
     167 Leu Gln Leu Leu Thr Thr Lys Ser Glu Gln Met Glu Pro Ser Pro Leu
     168             20                  25                  30
     170 Ala Ser
     173 <210> SEQ ID NO: 6
     175 <211> LENGTH: 34
     177 <212> TYPE: PRT
     179 <213> ORGANISM: Homo sapiens
     183 <220> FEATURE:
     185 <221> NAME/KEY: MUTAGEN
     187 <222> LOCATION: (15)..(15)
     189 <223> OTHER INFORMATION: Ile --> Ala
     193 <220> FEATURE:
     195 <221> NAME/KEY: MUTAGEN
     197 <222> LOCATION: (16)..(16)
     199 <223> OTHER INFORMATION: Leu --> Ala
     203 <220> FEATURE:
     205 <221> NAME/KEY: MUTAGEN
     207 <222> LOCATION: (19)..(20)
     209 <223> OTHER INFORMATION: Leu --> Ala
     213 <220> FEATURE:
     215 <221> NAME/KEY: MUTAGEN
     217 <222> LOCATION: (16)..(20)
     219 <223> OTHER INFORMATION: Leu(16) --> Ala; Leu (20) -->Ala
     223 <220> FEATURE:
```

RAW SEQUENCE LISTING   DATE: 12/10/2002
PATENT APPLICATION: **US/09/281,717A**   TIME: 08:41:34

Input Set : **A:\9811 Seq.txt**
Output Set: **N:\CRF4\12102002\I281717A.raw**

```
225 <221> NAME/KEY: MUTAGEN
227 <222> LOCATION: (15)..(16)
229 <223> OTHER INFORMATION: IleLeu --> AlaAla
233 <220> FEATURE:
235 <221> NAME/KEY: MUTAGEN
237 <222> LOCATION: (17)..(18)
239 <223> OTHER INFORMATION: HisArg -->AlaAla
243 <220> FEATURE:
245 <221> NAME/KEY: MUTAGEN
247 <222> LOCATION: (15)..(15)
249 <223> OTHER INFORMATION: Ile -->Phe
253 <220> FEATURE:
255 <221> NAME/KEY: MUTAGEN
257 <222> LOCATION: (16)..(16)
259 <223> OTHER INFORMATION: Leu -->Phe
263 <220> FEATURE:
265 <221> NAME/KEY: MUTAGEN
267 <222> LOCATION: (19)..(19)
269 <223> OTHER INFORMATION: Leu -->Phe
273 <220> FEATURE:
275 <221> NAME/KEY: MUTAGEN
277 <222> LOCATION: (20)..(20)
279 <223> OTHER INFORMATION: Leu -->Phe
283 <400> SEQUENCE: 6
285 Pro Gly Ser Thr His Gly Thr Ser Leu Lys Glu Lys His Lys Ile Leu
286 1               5                   10                  15   .
288 His Arg Leu Leu Gln Asp Ser Ser Ser Pro Val Asp Leu Ala Lys Leu
289             20                  25                  30
291 Thr Ala
294 <210> SEQ ID NO: 7
296 <211> LENGTH: 31
298 <212> TYPE: PRT
300 <213> ORGANISM: Homo sapiens
304 <400> SEQUENCE: 7
306 Glu Pro Ala Ser Pro Lys Lys Lys Glu Asn Ala Leu Leu Arg Tyr Leu
307 1               5                   10                  15
309 Leu Asp Lys Asp Asp Thr Lys Asp Ile Gly Leu Pro Glu Ile Thr
310             20                  25                  30
312 <210> SEQ ID NO: 8
314 <211> LENGTH: 34
316 <212> TYPE: PRT
318 <213> ORGANISM: Homo sapiens
322 <400> SEQUENCE: 8
324 Ala Asp Gly Gln Ser Arg Leu His Asp Ser Lys Gly Gln Thr Lys Leu
325 1               5                   10                  15
327 Leu Gln Leu Leu Thr Thr Lys Ser Glu Gln Met Glu Pro Ser Pro Leu
328             20                  25                  30
330 Ala Ser
333 <210> SEQ ID NO: 9
```

RAW SEQUENCE LISTING   DATE: 12/10/2002
PATENT APPLICATION: US/09/281,717A   TIME: 08:41:34

Input Set : A:\9811 Seq.txt
Output Set: N:\CRF4\12102002\I281717A.raw

```
335 <211> LENGTH: 34
337 <212> TYPE: PRT
339 <213> ORGANISM: Homo sapiens
343 <400> SEQUENCE: 9
345 Ser Gly Ser Thr His Gly Thr Ser Leu Lys Glu Lys His Lys Ile Leu
346 1               5                   10                  15
348 His Arg Leu Leu Gln Asp Ser Ser Ser Pro Val Asp Leu Ala Lys Leu
349             20                  25                  30
351 Thr Ala
354 <210> SEQ ID NO: 10
356 <211> LENGTH: 31
358 <212> TYPE: PRT
360 <213> ORGANISM: Homo sapiens
364 <400> SEQUENCE: 10
366 Glu Pro Val Ser Pro Lys Lys Lys Glu Asn Ala Leu Leu Arg Tyr Leu
367 1               5                   10                  15
369 Leu Asp Lys Asp Asp Thr Lys Asp Ile Gly Leu Pro Glu Ile Thr
370             20                  25                  30
372 <210> SEQ ID NO: 11
374 <211> LENGTH: 34
376 <212> TYPE: PRT
378 <213> ORGANISM: Homo sapiens
382 <400> SEQUENCE: 11
384 Ala Glu Gly His Ser Arg Leu His Asp Ser Lys Gly Gln Thr Lys Leu
385 1               5                   10                  15
387 Leu Gln Leu Leu Thr Thr Lys Ser Glu Gln Met Glu Pro Ser Pro Leu
388             20                  25                  30
390 Pro Ser
393 <210> SEQ ID NO: 12
395 <211> LENGTH: 34
397 <212> TYPE: PRT
399 <213> ORGANISM: Homo sapiens
403 <400> SEQUENCE: 12
405 Pro Gly Ser Thr His Gly Thr Ser Leu Lys Glu Lys His Lys Ile Leu
406 1               5                   10                  15
408 His Arg Leu Leu Gln Asp Ser Ser Ser Pro Val Asp Leu Ala Lys Leu
409             20                  25                  30
411 Thr Ala
414 <210> SEQ ID NO: 13
416 <211> LENGTH: 31
418 <212> TYPE: PRT
420 <213> ORGANISM: Homo sapiens
424 <400> SEQUENCE: 13
426 Glu Pro Ala Ser Pro Lys Lys Lys Glu Asn Ala Leu Leu Arg Tyr Leu
427 1               5                   10                  15
429 Leu Asp Lys Asp Asp Thr Lys Asp Ile Gly Leu Pro Ser Ile Thr
430             20                  25                  30
432 <210> SEQ ID NO: 14
434 <211> LENGTH: 34
```

RAW SEQUENCE LISTING   DATE: 12/10/2002
PATENT APPLICATION: US/09/281,717A   TIME: 08:41:34

Input Set : A:\9811 Seq.txt
Output Set: N:\CRF4\12102002\I281717A.raw

```
436 <212> TYPE: PRT
438 <213> ORGANISM: Homo sapiens
442 <400> SEQUENCE: 14
444 Ala Glu Asn Gln Arg Gly Pro Leu Glu Ser Lys Gly His Lys Lys Leu
445 1               5                  10                  15
447 Leu Gln Leu Leu Thr Cys Ser Ser Glu Asp Arg Gly His Ser Ser Leu
448             20                  25                  30
450 Thr Asn
453 <210> SEQ ID NO: 15
455 <211> LENGTH: 34
457 <212> TYPE: PRT
459 <213> ORGANISM: Homo sapiens
463 <400> SEQUENCE: 15
465 Thr Ser Asn Met His Gly Ser Leu Leu Gln Glu Lys His Arg Ile Leu
466 1               5                  10                  15
468 His Lys Leu Leu Gln Asn Gly Asn Ser Pro Ala Glu Val Ala Lys Ile
469             20                  25                  30
471 Thr Ala
474 <210> SEQ ID NO: 16
476 <211> LENGTH: 32
478 <212> TYPE: PRT
480 <213> ORGANISM: Homo sapiens
484 <400> SEQUENCE: 16
486 Glu Gln Leu Ser Pro Lys Lys Lys Glu Asn Asn Ala Leu Leu Arg Tyr
487 1               5                  10                  15
489 Leu Leu Asp Arg Asp Asp Pro Ser Asp Val Leu Ala Lys Lys Leu Gln
490             20                  25                  30
492 <210> SEQ ID NO: 17
494 <211> LENGTH: 34
496 <212> TYPE: PRT
498 <213> ORGANISM: Homo sapiens
502 <400> SEQUENCE: 17
504 Ala Glu Asn Gln Arg Gly Pro Leu Glu Ser Lys Gly His Lys Lys Leu
505 1               5                  10                  15
507 Leu Gln Leu Leu Thr Cys Ser Ser Asp Asp Arg Gly His Ser Ser Leu
508             20                  25                  30
510 Thr Asn
513 <210> SEQ ID NO: 18
515 <211> LENGTH: 34
517 <212> TYPE: PRT
519 <213> ORGANISM: Homo sapiens
523 <400> SEQUENCE: 18
525 Thr Ser Asn Met His Gly Ser Leu Leu Gln Glu Lys His Arg Ile Leu
526 1               5                  10                  15
528 His Lys Leu Leu Gln Asn Gly Asn Ser Pro Ala Glu Val Ala Lys Ile
529             20                  25                  30
531 Thr Ala
534 <210> SEQ ID NO: 19
536 <211> LENGTH: 32
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/10/2002
PATENT APPLICATION: US/09/281,717A   TIME: 08:41:35

Input Set : A:\9811 Seq.txt
Output Set: N:\CRF4\12102002\I281717A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3
Seq#:2; Xaa Pos. 3,4
Seq#:3; Xaa Pos. 2,3
Seq#:4; Xaa Pos. 2,3
Seq#:26; Xaa Pos. 1,2,3,4,5,6,7,8,9,11,12,13,14,17,22,23,24,25,26,27,28,29
Seq#:26; Xaa Pos. 30,31,32,33,34
Seq#:27; Xaa Pos. 1,2,3,4,5,6,7,8,10,12,14,18,22,23,24,27,28,29,30,31,32,33
Seq#:27; Xaa Pos. 34
Seq#:28; Xaa Pos. 2,3,4,5,10,11,12,13,14,22,24,25,26,27,28,29,30,31,32,33
Seq#:28; Xaa Pos. 34
Seq#:52; Xaa Pos. 45,46,47,48,49,50
Seq#:53; Xaa Pos. 45,46,47,48,49,50